

# Interference Search

## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	aircraft and spark near ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:10
L2	0	aircraft and spark near3 ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:10
L3	0	aircraft and spark near9 ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:11
L4	0	spark near9 ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:11
L5	531	spark near9 ignition and charg\$3 same discharg\$3	US-PGPUB	OR	ON	2006/05/12 15:11
L6	31	aircraft and spark near9 ignition and charg\$3 same discharg\$3	US-PGPUB	OR	ON	2006/05/12 15:41

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	422	(electric electrical) near spark near ignition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 10:11
S2	324	electric near spark near ignition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:23
S3	10272552	electric near spark near ignition and housing same metal can	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:24
S4	0	electric near spark near ignition and housing same metal near can	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:24
S5	1	electric near spark near ignition and metal near can	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:27
S6	10	electric near spark near ignition and connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:28
S7	0	electric near spark near ignition and discharge near connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:29
S8	1	electric near spark near ignition near discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:29
S9	10	electric near spark near ignition and connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:03

## EAST Search History

S10	1	electric near spark near ignition and connector and safety	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:30
S11	98	electric near spark near ignition and assembly	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:34
S12	19	electric near spark near ignition and manufacturing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/18 16:01
S13	4	electric near spark near ignition and manufacturing same assembly	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/04 09:37
S14	456	361/253	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/18 16:02
S15	0	aircraft near spark near ignition and connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:03
S16	27	aircraft same spark near ignition and connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 10:53
S17	1	10/616,105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:08
S18	149	aircraft and spark near ignition and (charge charging) same (discharge discharging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:11
S19	62	aircraft and spark near ignition same (charge charging) same (discharge discharging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:32

## EAST Search History

S20	7	aircraft and spark near ignition same (charge charging) same (discharge discharging) and remote	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:37
S21	14	aircraft and spark near ignition same (charge charging) same (discharge discharging) and cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 15:48
S22	20	aircraft and spark near ignition same (charge charging) same (discharge discharging) and (wire wiring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:59
S23	3	("3824429"   "4739185"   "5065073").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/20 15:30
S24	2	("5446348").URPN.	USPAT	OR	OFF	2005/03/20 15:37
S25	0	("2716720").URPN.	USPAT	OR	OFF	2005/03/20 15:38
S26	26	aircraft and spark near ignition same (charge charging) same (discharge discharging) and (locating location)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 16:39
S27	194	361/353	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 16:39
S28	194	361/353	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 16:39
S29	10	"2,716,720"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 10:52
S30	0	"2,716,720" and connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 10:52

## EAST Search History

S31	7	aircraft same spark near ignition and cable same connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 10:57
S32	57	aircraft same spark same ignition and cable same connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:36
S33	11	("2109030"   "2312757"   "3334326"   "3965879"   "4145106"   "4150865"   "4978309"   "5603306").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/21 11:18
S34	1	aircraft same spark same ignition and cable same connector and components near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:37
S35	1	aircraft same spark same ignition and components near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:37
S36	23	spark same ignition and components near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:42
S37	2	ignition same electrical near components near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:40
S38	23	spark same ignition and (component components) near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:46
S39	2	spark same ignition same (component components) near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:47
S40	2	ignition near (unit circuit system) same (component components) near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 11:49

## EAST Search History

S41	14	ignition near (unit circuit system) near sealed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 12:16
S42	14	ignition near (unit circuit system) near (pot potted)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 16:14
S43	151	ignition near (unit circuit system) same housing near (cylindr cylindrical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 16:15
S44	7	ignition near (unit circuit system) same housing near (cylindr cylindrical) same (top bottom circumferential) near surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 16:19
S45	19	ignition near (unit circuit system) and housing near (cylindr cylindrical) same (top bottom circumferential) near surface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/21 16:19
S46	15	"3,395,684"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 10:58
S47	1	10/616,105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 10:44
S48	10	"2,716,720"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 11:48
S49	265	aircraft and ignition same fuselage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 11:49
S50	45	aircraft and ignition near (system circuit) same fuselage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 11:58

## EAST Search History

S51	1393	aircraft and control near (system circuit) same fuselage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 11:59
S52	1131	aircraft same control near (system circuit) same fuselage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 11:59
S53	4	aircraft same ignition same high near voltage same low near current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:12
S54	276	ignition same high near voltage same low near current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:10
S55	13	engine near ignition same high near voltage same low near current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:23
S56	54	engine near ignition and high adj voltage same low adj current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:28
S57	0	engine near ignition and high adj voltage same current near mA	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:29
S58	39	engine near ignition and high adj voltage same current near A	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:30
S59	2	engine near ignition and high adj voltage same current adj2 A	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:31
S60	33	engine near ignition and high adj voltage and current adj2 A	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:28

## EAST Search History

S61	33	engine near ignition and high adj voltage and current adj2 (A amper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:31
S62	0	engine near ignition and high adj voltage and current adj2 milliamper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:32
S63	0	engine near ignition and high adj voltage and current adj2 amper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 12:32
S64	77	engine near ignition and high adj voltage and ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:39
S65	0	jet near engine near ignition and high adj voltage and ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:38
S66	0	jet near engine and engine near ignition and ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:38
S67	3	jet adj engine same ignition and high adj voltage and ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:45
S68	2	("2940014").URPN.	USPAT	OR	OFF	2005/03/22 14:42
S69	5	jet adj engine same ignition and ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:47
S70	8	jet adj engine and ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 15:02



## EAST Search History

S71	9	"2,833,963"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:54
S72	16	"2,632,133"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 14:54
S73	1	("2632133").URPN.	USPAT	OR	OFF	2005/03/22 14:58
S74	535	engine and ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 15:02
S75	410	engine same ignition near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 15:02
S76	20	engine near exciter and (charge charging) and (discharge discharging) and ignition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 15:04
S77	19	engine near exciter and (charge charging) and (discharge discharging) and ignition and current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 15:09
S78	4	engine near exciter and (charge charging) near circuit and ignition and current	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 15:10
S79	8	engine near exciter and (charge charging) near current and ignition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/22 15:10
S80	21	("3583378"   "3635202"   "3716758"   "3800771"   "3849670"   "4122816"   "4244337"   "4247880"   "4288834"   "4366801"   "4369758"   "4983886"   "5032969"   "5040042"   "5049786"   "5053913"   "5065073"   "5144400"   "5173570"   "5245252"   "5346838").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/22 15:21

## EAST Search History

S81	369	high near voltage same low near current same advantage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/23 15:14
S82	15	high near voltage same low near current same cable same advantage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/23 15:18
S83	6	high near voltage near low near current same cable same advantage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/23 15:20
S84	19	high near voltage near power near line same advantage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/23 15:24
S85	0	high near voltage near power near line same wire near (size diameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/23 15:25
S86	2	high near voltage near power near line same (size diameter) near (wire conductor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/23 15:27
S87	3	high near voltage near power near transmission same (size diameter) near (wire conductor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/23 15:28
S88	18	("2998840"   "3087007"   "3137120"   "3272911"   "3287489"   "3339007"   "3379821"   "3441660"   "3474189"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/23 15:30
S89	20	power near cable same size near conductor	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/23 15:31
S90	1	10/616,105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/25 11:52

## EAST Search History

S91	179	coaxial near cable same EMI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/25 11:53
S92	0	coaxial near cable near EMI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/25 11:52
S93	7	coaxial near cable same EMI near protection	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/25 11:52
S94	5	coaxial near cable same EMI and aircraft	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/25 13:04
S95	10	"2,716,720"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 13:15
S96	1	ignition near fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 13:17
S97	150	ignition same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 13:17
S98	3	ignition near cable same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 13:27
S99	0	ignition near harge same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 13:27
S100	6	ignition near circuit same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 13:38

## EAST Search History

S10 1	106	engine near control same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 13:38
S10 2	4	ignition near control same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:03
S10 3	20	ignition near system same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:07
S10 4	3	ignition near (wire wires) same fuselage same (wing wings)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:09
S10 5	0	engine near (wing wings) and fuselage same ignition near cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:10
S10 6	0	engine near (wing wings) and fuselage and ignition near cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:10
S10 7	0	engine near (wing wings) and (fuselage body) and ignition near cable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:11
S10 8	2	engine near (wing wings) and (fuselage body) and ignition near (wire wires wiring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:12
S10 9	3	engine near (wing wings) and ignition near (wire wires wiring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:18
S11 0	163	aircraft and ignition near (wire wires wiring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:19

## EAST Search History

S11 1	4	aircraft and ignition near (wire wires wiring) same (fuselage body) same wings	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 14:38
S11 2	30	aircraft and ignition near system same (fuselage body) same wings	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 16:38
S11 3	13	"2,566,235"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/25 15:46
S11 4	456	361/253	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/25 16:40
S11 5	105	361/263	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/27 11:39
S11 6	122	361/256	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/27 14:36
S11 7	6	"4,978,309"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 16:07
S11 8	1	10/616,105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 16:19
S11 9	10	"2,716,720"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 16:19

## EAST Search History

S12 0	1	10/616,105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 11:55
S12 1	326	361/253.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 12:42
S12 2	147	361/256.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 14:35
S12 3	95	361/257.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/12 15:00
S12 4	0	aircraft and spark near ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:10
S12 5	0	aircraft and spark near3 ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:10
S12 6	0	aircraft and spark near9 ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:11
S12 7	0	spark near9 ignition and charg\$3 same edischarg\$3	US-PGPUB	OR	ON	2006/05/12 15:11
S12 8	531	spark near9 ignition and charg\$3 same discharg\$3	US-PGPUB	OR	ON	2006/05/12 15:11
S12 9	31	aircraft and spark near9 ignition and charg\$3 same discharg\$3	US-PGPUB	OR	ON	2006/05/12 15:41